

What is claimed is:

1. An audio output control circuit comprising:

two external input terminals each corresponding to R channel and L channel;

a detection circuit that detects an insertion state of a plug into one terminal of the external input terminals;

a surround-processing circuit that processes audio signals outputted from the external input terminals so as to be reproducible in a surround-sound field; and

a control circuit that controls the audio signals from the external input terminals in response to a detection signal from the detection circuit, so that the surround-processing circuit processes the audio signals in a stereo mode or a monaural mode.

2. An audio output control circuit comprising:

plural types of stereo signal output circuits that output R-channel and L-channel audio signals;

two external input terminals each corresponding to the R channel and L channel;

a detection circuit that detects an insertion state of a plug into one terminal of the external input terminals;

a surround-processing circuit that processes the R-channel and L-channel audio signals so as to be reproducible in a surround-sound field;

a two-channel signal switching circuit that switches the audio signals outputted from the stereo signal output circuits or the external input terminals to output to the surround-processing circuit; and

a control circuit that controls to switch the two-channel

signal switching circuit in response to a selection signal for selecting either of outputs from the stereo signal output circuits and the external input terminals, and that controls the audio signals from the external input terminals in response to a detection signal from the detection circuit, so that the surround-processing circuit processes the audio signals in a stereo mode or a monaural mode.

3. An audio output control circuit comprising:

plural types of stereo signal output circuits that output R-channel and L-channel audio signals;

two external input terminals each corresponding to the R channel and L channel;

a detection circuit that detects an insertion state of a plug into one terminal of the external input terminals;

a multi-channel signal output circuit that outputs audio signals corresponding to multi-channels;

a surround-processing circuit that processes the audio signals outputted from the stereo signal output circuits or the external input terminals so as to be reproducible in a surround-sound field;

a two-channel signal switching circuit that switches the audio signals outputted from the stereo signal output circuits or the external input terminals to output to the surround-processing circuit;

a multi-channel signal switching circuit that outputs to switch the audio signals outputted from the multi-channel signal output circuit or the surround-processing circuit; and

a control circuit that controls the two-channel signal switching circuit and the multi-channel signal switching

circuit in response to a selection signal for selecting any of outputs from the stereo signal output circuits, the external input terminals, and the multi-channel signal output circuit, and that controls the audio signals from the external input terminals in response to a detection signal from the detection circuit, so that the surround-processing circuit processes the audio signals in a stereo mode or a monaural mode.

4. An audio output control circuit as claimed in Claim 1, further comprising a switch between the two external input terminals, which normally puts the two terminals electrically into a connection state, and disconnects the terminals to interlock with the insertion of a plug into one of the terminals, wherein, when the plug is inserted into the other terminal only, a monaural signal from the outside is outputted from the two terminals as the audio signals.

5. An audio output control circuit as claimed in Claim 4, wherein the detection circuit detects a connection or disconnection of the switch.